

Chemical Abbreviations and Annotations

Used on secondary containers in this laboratory

All containers must be clearly labeled with contents and a hazard indication. Labs may use abbreviations as long as this form or another sheet is prominently posted in the lab. This list includes common substances. Extend the list as necessary with lab-specific abbreviations.

ACIDS:

Corrosive to skin, eyes, and respiratory tract

- H₂SO₄** Sulfuric acid
- HCl** Hydrochloric acid
- HF** Hydrofluoric acid
- TCA** Trichloroacetic acid
- TFA** Trifluoroacetic acid

BASES:

Corrosive to skin, eyes, and respiratory tract

- KOH** Potassium hydroxide
- NaOH** Sodium hydroxide
- NH₃OH** Ammonium hydroxide

FLAMMABLE LIQUIDS:

Fire hazard

- EtOH** Ethyl alcohol
- IPA** Isopropyl alcohol
- MeOH** Methanol

TOXIC:

Harmful by ingestion or skin absorption

Carries hazardous materials through the skin

- DEPC** Diethyl pyrocarbonate
- DMSO** Dimethyl sulfoxide

LOW HAZARDS:

- DI** Deionized water
- HEPES** 4-(2-hydroxyethyl)-1-piperazineethane sulfonic acid
- LB** Luria-Bertani broth
- MOPS** 3-(N-morpholino)propanesulfonic acid
- PBS** Phosphate buffered saline, *buffer*
- SDS** Sodium dodecyl sulfate, *detergent*
- SSC** Sodium chloride sodium citric acid
- SSPE** Sodium chloride sodium phosphate + ethylenediaminetetraacetic acid
- STE/TEN** Sodium chloride tris ethylenediaminetetraacetic acid
- STET** Sodium chloride ethylenediaminetetraacetic acid tris Triton X-100
- TAE** Tris acetic acid + ethylenediaminetetraacetic acid
- TBE** Tris boric acid + ethylenediaminetetraacetic acid
- TE** Tris ethylenediaminetetraacetic acid
- TPE** Tris phosphoric ethylenediaminetetraacetic acid
- TRIS** tris(hydroxymethyl)methylamine

LABORATORY-SPECIFIC ABBREVIATIONS:

Abbreviation	Material